

## Contents Volume 116, 1998

Expressed	
Kinematic indicators in fault gouge: tectonic analog for soft-bedded ice sheets	
N. Eyles and J.I. Boyce	
Low limit of Mn <sup>2+</sup> -activated cathodoluminescence of calcite: state of the art	
D. Habermann, R.D. Neuser and D.K. Richter	1.
In Memoriam Thomas Bientje Roep (1936–1997)	2
Late highstand patterns of shifting and stepping coastal barriers and washover-fans (late Messinian, Sorbas Basin, SE Spain)	
Th.B. Roep, C.J. Dabrio, A.R. Fortuin and M.D. Polo	2
Forward modelling of the sequence stratigraphic architecture of shelf cyclothems: application to Late Pliocene sequences, Wanganui Basin (New Zealand)	
P.J.J. Kamp and T. Naish	5
Calcified root cells in Miocene pedogenic carbonates of the Madrid Basin: evidence for the origin of Micro- codium b	
A.M. Alonso-Zarza, M. Esther Sanz, J.P. Calvo and P. Estévez	8
Heterogeneous generation and evolution of diagenetic quartzarenites in the Silurian-Devonian Furnas Formation of the Paraná Basin, southern Brazil	
L. Fernando De Ros	9
The composition of shales from the Ordos basin, China: effects of source weathering and diagenesis	
L. Zhang, M. Sun, S. Wang and X. Yu	129
Diagenetic modification of dolomite in middle Ordovician carbonates, Taiyuan City area, China	
Y. Wu and Z. Wu	14
Erratum	
Erratum to "Stratal architecture of Western Mediterranean Margins as the result of the stacking of Quaternary lowstand deposits below 'glacio-eustatic fluctuation base-level'"	
F.L. Chiocci, G. Ercilla and J. Torres	15
Relationship of mineralogy to depositional environments in the non-marine Tertiary mudstones of the southwestern	
Ebro Basin (Spain)	
M. Inglès, J.M. Salvany, A. Muñoz and A. Pérez	15
Sandstone composition and provenance of the Rotliegend of the NE German Basin	
T. McCann	17
The massive dolomitization of platformal and basinal sequences: proposed models from the Paleocene, Northeast Sirte Basin, Libya	
M.H. Mresah	19

Provenance, tectonic setting and geochemistry of greywackes and siltstones of the Late Precambrian Hammamat Group, Egypt	
H.M. Holail and AK.M. Moghazi	227
Calcretes in semi-arid alluvial systems: formative pathways and sinks	
A.S. Khadkikar, S.S. Merh, J.N. Malik and L.S. Chamyal	251
Sedimentary structures made by shore ice in muddy tidal-flat deposits, St. Lawrence estuary, Québec	And I
JC. Dionne	26
Book Reviews	
Arid Zone Geomorphology: Process, Form and Change in Drylands, by David S.G. Thomas (Editor) — G. Kocurek	275
A Colour Guide to Paleosols, by G.J. Retallack — D.H. Yaalon	276
Late Glacial and Postglacial Environmental Changes: Quaternary, Carboniferous-Permian, and Proterozoic, by	676
I.P. Martini (Editor) — J. Menzies	277
The Geology of Stratigraphic Sequence, by A.D. Miall — F. Masuda	279
Author Index Volume 116	283

